

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR REPORT
Dehradun regional office

Mine code: 38HPR10078

(i)	Name of the Inspecting Officer	Nitin
(ii)	Designation	Junior Mining Geologist
(iii)	Accompanying mine official with designation	Ajay Purkayastha (Mine manager) 220/1, Durga Coloney, Paonta Sahib, Sirmour (H.P) ajaypurkayastha@yahoo.com
(iv)	Date of Inspection	09.10.2024
(v)	Prev. Inspection date	08.02.2024

PART-I: GENERAL INFORMATION

1	Mine Name	Banour Limestone Mine
2	Registration No.	IBM/11131/2012
3	Category	A-Category
4	Type of Working	Opencast
5	Postal Address	-
6	State	Himachal Pradesh
7	District	Sirmour
8	Village	Banour
9	Taluka/Tehsil	Paonta Sahib
10	Post Office	Kamrau
11	Pin Code	173001
12	FAX No.	-
13	E-mail	ajaypurkayastha@yahoo.com
14	Phone	8727955123
15	Police Station	Paonta Sahib
16	Nearest railway Station	Dehradun
17	Date of grant of mining lease	02.09.2002
18	Date of execution	02.09.2002
19	Date of Opening of mine	
20	Date of first Renewal, if applicable and its period & expiry	Extended up to 02.09.2002 to 01.09.2052
21	Date of second Renewal, if applicable and its period & expiry	
22	Date of 3rd Renewal, if applicable and its period & expiry	
23	Name of the Nominated Owner with	M/s Balbir Singh Supa Ram

	address, phone, email, fax number,date of appointment	Village & Post-Kamroo, Tehsil- Paonta Sahib District-Sirmour (H.P) Phone: 8727955123 Email: bssr2002@gmail.com
24	Name of the mine agent with address, phone, email, fax number,date of appointment	NA
25	Name of the mine manager with address, phone, email, fax number,date of appointment	Ajay Purkayastha (Mine manager) 220/1, Durga Coloney, Paonta Sahib, Sirmour (H.P) ajaypurkayastha@yahoo.com
26	Name of the mining engineer,qualification, experience with address, phone, email, fax number,date of appointment	Ajay Purkayastha 220/1, Durga Coloney, Paonta Sahib, Sirmour (H.P) ajaypurkayastha@yahoo.com
27	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55	S K Soni.
28	Date of approval of Mining Plan/Modified Mining Plan with five year period and specific condition in approval letter, if any.	19.04.2022. 2022-23 to 2025-26
29	Date of approval of Mining scheme with five year period and specific condition in approval letter, if any	
30	Mineral(s) granted in lease and proved for mining	Limestone
31	Method of Mining(Open cast, Underground)	Open cast
32	Category (Fully Mechanized, Others or Manual)	Mechanized
33	Captive/Non Captive	Non Captive

PART-II: OBSERVATION / COMMENT OF INSPECTING OFFICER

1. Exploration:

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not proposed	Not applicable	

1b	Exploration over lease area for Geological axis 1 or 2.	Entire lease Area falls under G1 level of exploration.	Entire lease Area falls under G1 level of exploration. G1= 0.874 ha.	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	-	-	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Nil	Nil	
1e	Balance reserves as on 01.04.2024	As on 01.04.2023-Reserves-99017 T	Depletion=8121.4 T. in 2023-24 Balance reserves as on 01.04.2024=90895.6 T	8121.4 T has been extracted during the year
1f	General remarks of Inspecting officer on geology, exploration etc.			

2. Development:

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	It was proposed to Work in single pit. Working has been proposed in 3 benches from 1425mRL to 1410mRL	Mining operations were carried out at proposed place but height of the benches observed more than proposal.	Violation of Rule 11(1) has been pointed out.
2b	Separate benches in topsoil overburden and mineral	Not applicable	Not applicable	The working benches are in limestone
2c	Stripping ratio or ore to OB ratio	1:0.05		
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	Nil	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Violation is issued to lessee as per rule 11(1) of MCDR 2017		

3. Exploitation:

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	16667 T	8121.4 T	
3c	Recovery of Salable/usable mineral from ROM production	90%	Entire ROM is salable	
3d	Quantity of mineral reject generation	No proposals is incorporated	No mineral reject is Generated.	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Not applicable	
3f	Quantity of sub-grade mineral generation	Not Proposed	Not applicable	
3g	Grade of sub-grade mineral generation	Not applicable	Not applicable	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized method	Mechanical method adopted for working	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Not Applicable	
3j	Provision of drilling & blasting in mineral benches	Yes, Drilling operation was proposed by Jack hammer drilling and Blasting operation was Proposed by slurry explosives.	As per proposal	
3k	Provision of mining machineries in mineral benches	Excavators/JCB, dumpers/tipper	Excavator with dumpers is used for loading and transportation of limestone.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Using Open cast method of mining & Bench height should be 5 m in the Mines.	According to mining plan bench height should be approx 5 m but it has been found in the range of 8-12 m	
3m	Total area covered under	An area of 0.327 ha	As on 01.04.2024	

	excavation /pits	for mining	Area 0.327 ha	
3n	Ore to OB ratio for the pit/mine during the year	Not applicable	Not applicable	
3o	Total area put in use under different heads at the end of year	0.515 ha at the start of the year	0.634 ha as on 01.04.2024	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20=23250 T 2020-21=25650 T 2021-22=16667 T 2022-23=16667 T 2023-24=16667 T	2019-20=8069 T 2020-21=14867.26 T 2021-22=3148 T 2022-23=9924 T 2023-24=8121.4 T	Units are in tonnes
3q	General remarks of inspecting officer on method of mining etc.	Development works has been carried out at the proposed places. However, heights of the benches were not maintained as per proposal for which violation of deviation has been pointed out to the lessee.		

4. Solid Waste Management-Dumping:

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Not proposed	Not applicable	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Not applicable	
4c	Number of Dumps within lease area and outside lease area	One dump is Proposed within lease area	No dumps were seen Within lease area	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	NW area of the mining lease	No dumps were seen Within lease area	
4e	Number of Active & Alive dumps	1	No dumps were seen Within lease area	During the inspection, dumps were not seen within the lease area.
4f	Number of dead dumps	No proposals	Not applicable	
4g	Number of dumps established	Not applicable	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there	Proposed 15m at the base of dump2	No dump were observed Within lease area therefore no retaining wall has been	Violation of Rule 11(1) has been pointed out

			seen in the lease area	
4i	Length of Retaining wall or garland drain all along dump	Proposed 15m at the base of dump ²	No dump were observed Within lease area therefore no retaining wall has been seen in the lease area	Violation of Rule 11(1) has been pointed out
4j	Number of settling ponds	Nil	Nil	
4k	Specific commends of inspecting officer on waste dump management			

5. Solid Waste Management-Backfilling:

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	Not applicable	
5b	Area under backfilling of mined out area	Not proposed	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Not applicable	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Due to mineral continuity in the ML area backfilling was not proposed.		

6. Progressive Mine Closer Plan:

S.N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26(2). Details should be given in the format as given in Annexure-20	Proposed	Submitted	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Not Proposed	Not applicable	
	ii) Afforestation done (ha)	Not Proposed	Not applicable	
	iii) No. of saplings planted during the year	Not Proposed	Not applicable	
	iv) Cumulative no. of plants	Not Proposed	Not applicable	
	v) Any other specific method of	Not Proposed	Not applicable	

	rehabilitation			
	vi) Cost incurred on watch & care during the year	Not Proposed	Not applicable	
6c	Compliance on reclamation and rehabilitation by backfilling			
	i) Voids available for backfilling (L*B*D)	Not Proposed	Not applicable	
	ii) Void filled by waste/tailings	Not Proposed	Not applicable	
	iii) Afforestation on the backfilling	Not Proposed	Not applicable	
	iv) Rehabilitation by making water reservoir	Not Proposed	Not applicable	
	v) Any other specific means	Not Proposed	Not applicable	
6d	Compliance of Rehabilitation of waste land within lease			
	i) Afforestation	100 plants have been Proposed. 25000 rps has been proposed for expenditure	No plantation has been seen in the ML	Violation of rule 42 has been pointed out.
	ii) Area rehabilitation	Not Proposed	Not applicable	
	iii) Method of rehabilitation	Not Proposed	Not applicable	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Environment Monitoring proposed	Environment Monitoring done	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	During inspection no plantation has been found as per proposal.		

7. Mineral Conservation:

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Not proposed	Not applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	Not applicable	
7c	Different grade of mineral sort out at mine	Not proposed	Not applicable	
7d	Any beneficiation process at mines	Not Proposed	Not applicable	

7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Rom is sold to local buyers. Buyer has not been registered on IBM. As per MCDR rule 45(7) buyer should have IBM registration number.
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8. Environment:

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not Proposed	Not applicable	
8b	Concurrent use or storage of topsoil	Not Proposed	Not applicable	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Proposed	Not as per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Not applicable	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed (Cumulative 200 saplings for past 2 year)	Not as per approved mining plan	200 saplings have been proposed within the mining lease area. During inspection no plantation has been found as per proposal.
8g	Survival rate	50%	0%	No plantation has been found as per proposal.
8h	Water sprinkling on roads to control airborne dust	Proposed	By using water tanker and sprinklers	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Violation of Rule 42 has been pointed out		

9. Compliance of Rule 45:

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	AR and MR submitted	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Furnished	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished	
9d	Scrutiny of Annual return on afforestation	Furnished	100 saplings have been proposed within the mining lease area. During inspection no plantation has been found as per proposal. However 70 saplings has been mentioned in AR.
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Furnished	zero
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Furnished	Production of ROM ore at Mine-head= 8121.4 tones Stocks of ROM ore at Mine-head = 0
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Furnished	400
9i	Scrutiny of Annual return on Fixed assets	Furnished	zero
9k	Scrutiny of Annual return on mining Machineries	Furnished	Type of Machinery: Front end loader

10- MCDR COMPLINCE PAST AND PRESENT

S.N	Previous date of inspection	08.02.2024	
9b	Violations pointed out in previous inspection	No violation has been pointed out	

9c	Check Compliance status of complied violations		
9d	Pending violations	No violation pending	
9e	Violation Detected And Pointed Out During This Inspection	11(1), 42, 45(7), 54	

Yours faithfully,

नितिन /Nitin
कनिष्ठ खनन भू-विज्ञानी/Junior Mining Geologist
भारतीय खान ब्यूरो/Indian Bureau of Mines